

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	47	(("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:34
L2	43	(("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or ("6119939") or ("6267294")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:34

L3	20	"6283374"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L4	21	((("6283374") or ("6360948") or ("6371374") or ("6385352") or ("6575367") or ("6607128") or ("20020096566") or ("20020125322") or ("20030062418") or ("20010027999")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:34
L5	78	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L6	16	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L7	19	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L8	102	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L9	39	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4) and (aim\$4 or pipe or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L10	34	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4) and (aim\$4 or pipe or ring) and (dark or low-angle or angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L11	21	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4) and (aim\$4 or pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L12	10	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4) and (pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L13	1	(barcode or "bar code" or bar-code or image or symbol or indica) and (L1 or L2 or L4) and pipe and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34

L14	1362	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe and dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L15	73	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe same dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L16	603	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L17	226	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L18	18	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular) and field near3 view	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L19	31	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L20	215	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L21	23	(barcode or "bar code" or bar-code or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34
L22	264	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (handheld or hand-held or portable or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:34

L23	51	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (handheld or hand-held or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L24	638	"235"/\$.ccls. and light near2 (ring or pipe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L25	220	"235"/\$.ccls. and light near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L26	62	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L27	13	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and rectangular same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L28	14	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and (rectangular or rectangle) same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L29	861	"235"/\$.ccls. and (illuminat\$4 or light) near2 aim\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L30	468	"235"/\$.ccls. and (illuminat\$4 or light) near2 aim\$4 same (ccd or image near1 sens\$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L31	47	((("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L32	43	((("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or ("6119939") or ("6267294")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L33	19	(L31 or L32) and (pipe or tube or hollow or needle or lumen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L34	2	"20050087601"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L35	11	(L31 or L32) and (pipe or tube or hollow or needle or lumen) and (bright or dark or (low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L36	1402	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L37	347	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L38	200	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low adj1 angle) or (high adj1 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L39	2	"20050047723"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L40	591	light adj1 pipe near6 (circle or circular or ring or retang\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L41	41	light adj1 pipe near6 (circle or circular or ring or retang\$6) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L42	101	light adj1 pipe near6 (circle or circular or ring or retang\$6 or shape) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L44	3110	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near5 (ring or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L45	3975	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag \$4 or ccd or sens\$4 or detect\$4) same (barcode or "bar code" or bar-code or image or symbol or indica or subject)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L47	113	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag \$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L48	22	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag \$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L49	14	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L50	14	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L51	16588	"light pipe"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L52	83	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (diffus\$4 or tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L53	1	10/693636	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L54	12	10/693626	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L55	1	10/693626 and lumen.dlm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L56	278	rectang\$5 near2 light near2 pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L57	72	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L58	0	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica) and "235"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L59	62	rectang\$5 near2 light near2 pipe same (barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L60	47	((("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L61	43	((("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or ("6119939") or	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35

		("6267294").PN.				
L62	20	"6283374"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L63	21	((("6283374") or ("6360948") or ("6371374") or ("6385352") or ("6575367") or ("6607128") or ("20020096566") or ("20020125322") or ("20030062418") or ("20010027999")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L64	78	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L65	16	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L66	19	(gerst.in. or equitz.in. or testa.in. or nadabar.in.) and illuminat\$5 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L67	102	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L68	39	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63) and (aim\$4 or pipe or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L69	34	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63) and (aim\$4 or pipe or ring) and (dark or low-angle or angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L70	21	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63) and (aim\$4 or pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L71	10	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63) and (pipe or ring) and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L72	1	(barcode or "bar code" or bar-code or image or symbol or indica) and (L60 or L61 or L63) and pipe and (dark)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L73	1362	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe and dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L74	73	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe same dark with bright	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L75	603	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L76	226	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L77	18	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (circular or circle) same (square or rectangle or rectangular) and field near3 view	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L78	31	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L79	215	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L80	23	(barcode or "bar code" or bar-code or symbol or indica) and pipe near2 light same (circular or circle) same (square or rectangle or rectangular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L81	264	(barcode or "bar code" or bar-code or image or symbol or indica) and pipe near4 light same (handheld or hand-held or portable or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L82	51	(barcode or "bar code" or bar-code or image or symbol or indica) same pipe near4 light same (handheld or hand-held or "hand held")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L83	638	"235"/\$.ccls. and light near2 (ring or pipe)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L84	220	"235"/\$.ccls. and light near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L85	62	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L86	13	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and rectangular same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L87	14	"235"/\$.ccls. and (illuminat\$4 or light) near2 (ring or pipe) same (ccd or image near1 sens\$6 or cmos or imag\$6) same (illuminat\$6) near4 (image\$4 or barcode or "bar code" or bar-code or indicia or medium) and (rectangular or rectangle) same (illuminat\$4 or light)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L88	861	"235"/\$.ccls. and (illuminat\$4 or light) near2 aim\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L89	468	"235"/\$.ccls. and (illuminat \$4 or light) near2 aim\$4 same (cod or image near1 sens\$6 or cmos or imag \$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L90	47	((("6033090") or ("5463214") or ("6234397") or ("5514858") or ("6250551") or ("6513714") or ("6405925") or ("5378883") or ("6158661") or ("5481098") or ("6491223") or ("5569902") or ("5331176") or ("5598007") or ("6247645") or ("5697699") or ("5619029") or ("5149948") or ("5406060") or ("5586212") or ("5859418") or ("3726998") or ("6592040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L91	43	((("5177346") or ("6352204") or ("4820911") or ("5291009") or ("5349172") or ("5354977") or ("5484994") or ("5532467") or ("5591955") or ("5606160") or ("5623137") or ("5703348") or ("5756981") or ("5777314") or ("5894348") or ("5907148") or ("5969321") or ("5992751") or ("6036095") or ("6060722") or ("6105869") or ("6119939") or ("6267294")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/27 14:35
L92	19	(L90 or L91) and (pipe or tube or hollow or needle or lumen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L93	2	"20050087601"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L94	11	(L90 or L91) and (pipe or tube or hollow or needle or lumen) and (bright or dark or (low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L95	1402	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L96	347	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low near2 angle) or (high near2 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L97	200	(illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code) and light near3 (pipe or tube or hollow or needle or lumen) and ((low adj1 angle) or (high adj1 angle) or low-angle or high-angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L98	2	"20050047723"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L99	591	light adj1 pipe near6 (circle or circular or ring or retang\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L100	41	light adj1 pipe near6 (circle or circular or ring or retang\$6) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L101	101	light adj1 pipe near6 (circle or circular or ring or retang\$6 or shape) and (illuminator or sensor or sensing or reader or reading) near6 (imag\$4 or barcode or "bar code" or bar-code)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L106	113	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag \$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L107	22	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or ring or pipe) same (imag \$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L108	14	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L109	14	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L110	16588	"light pipe"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

L111	83	(illuminat\$6 or (shin\$4 or aim\$4 or direct\$4) near2 light\$4) near3 (diffus\$4 or tube or pipe) same (imag\$4 or ccd or sens\$4 or detect\$4) near10 (barcode or "bar code" or bar-code or image or symbol or indica or subject) same (light or led) near4 (edge or perimeter or ring)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L112	1	10/693636	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L113	12	10/693626	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L114	1	10/693626 and lumen.dlm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L115	278	rectang\$5 near2 light near2 pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L116	72	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L117	0	rectang\$5 near2 light near2 pipe same (object or subject or barcode or "bar code" or bar-code or image or symbol or indica) and "235"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35
L118	62	rectang\$5 near2 light near2 pipe same (barcode or "bar code" or bar-code or image or symbol or indica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/08/27 14:35

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